



DEPARTMENT OF THE AIR FORCE
20th CONTRACTING SQUADRON
SHAW AIR FORCE MOOSE, SOUTH CAROLINA

7 February 2003

MEMORANDUM FOR SOUTH CAROLINA 8(a) CONTRACTORS

FROM: 20 CONS/LGCAB
PO Drawer 52610
305 Blue Jay Street
Shaw AFB SC 29152-2610

SUBJECT: Reference Number FQ480330260100, Project Number SHA 03-0054,
Maintain Chemical Resistant Urethane (CRU) Floors B1720 and B1816
(SUSPENSE: 3 March 2003)

1. In accordance with Shaw AFB 8(a) Memorandum of Agreement 7700-03-300553, this is Letter Request for Quote Reference (RFQ) Number FQ480330260100. 20 CES/CECE requires contractor to provide preparation of the floors for the application of a CRU floor treatment and the application of the floor treatment to be completed within **45 days** in accordance with this Letter RFQ, which includes price schedule, liquidated damages, and attachments (Scope of Work; Special Conditions; AF Form 66, Schedule of Material Submittals; Wage Determination; and Drawings). Statutory cost limitations are not applicable. The magnitude of this project is less than \$25,000.

2. Offeror's proposal shall include:

- a) cover letter signed by a representative of your firm who is authorized to legally bind your firm contractually
- b) complete the attached price schedule

3. Offerors shall notify Lloyd.Houston@shaw.af.mil within five days of the date of this letter of your intent to submit an offer. Offeror's proposal is due no later than 15 days from the date of this letter. All responses shall be submitted by email or other electronic means to Lloyd.Houston@shaw.af.mil.

4. A site visit is scheduled 19 Feb 2003, 9:00AM. Offerors shall meet at the Contracting Squadron location above. Please notify Lloyd Houston no later than 14 Feb 2003, 2:00PM by email to Lloyd.Houston@shaw.af.mil with a list of site visit attendees, dates of birth and social security numbers.

5. In accordance with Shaw AFB 8(a) MOA 7700-03-300553, this is a competitive procurement in which award will be made on the basis of the lowest evaluated technically acceptable price of quotes. Offerors will be ranked according to price. The Government will review past performance previously provided by the offeror for acceptability. The Government reserves the right to obtain performance information

from sources other than what the offeror has provided. The Contracting Officer reserves the right to award a contract without the opportunity for proposal revision so offerors shall submit their best offer initially. The Government intends to award a contract without discussions; however the Government reserves the right to conduct discussions if deemed in its best interest.

6. For all contractual matters please contact Lloyd Houston at Lloyd.Houston@shaw.af.mil.



JUDITH P. CROXTON
Contracting Officer
20th Contracting Squadron

**PART I – THE SCHEDULE
SCHEDULE B
Project SHA 03-0054**

Period of Performance: 45 DAYS

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
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0001	Contractor shall provide all labor, material, tools, equipment and transportation and performing all operations to Maintain Chemical Reistant Urethane (CRU) Floor Coating B1720 and B1816 in strict accordance with Plans, Specifications and Contract Documents.				
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				TOTAL	\$ _____
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Date: 2/3/03

[illegible]

3 February 2003

CALCULATION OF LIQUIDATED DAMAGES

PROJECT NUMBER: SHA 03-0054, Maintain CRU Floor Coating B1720 and B1816

This project is issued in accordance with Shaw AFB 8(a) MOA 7700-03-300553.

Liquidated damages for this project are \$194.00 for the first day of delay and \$152.00 for every day of delay thereafter.

**PART III- LIST OF DOCUMENTS, EXHIBITS, AND OTHER ATTACHMENTS
SECTION J**

ITEM NUMBER	DATE	TITLE	NUMBER OF PAGES
0001	27 Jan 03	Scope of Work	2
0002	27 Jan 03	Special Conditions	
		Section 1	2
		Section 2	4
0003	N/A	AF Form 66	1
0004	3/1/2002	Wage Determination	2
0005	27 Jan 03	Drawings	Will be provided in hard copy at site visit

STATEMENT OF WORK
FOR
MAINTAIN CRU FLOOR COATING
B1720 & B1816

PROJECT: Sha 03-0054

Date: 27 Jan 03

The contractor shall provide all labor, equipment, materials, tools and transportation to perform all operations necessary to accomplish the following items of work in buildings 1720 and 1816.

Prepare a total of 5,727 square feet of floor space in building 1720 and 1816 for the application of Chemical Resistant Epoxy floor coating. This includes the removal of existing floor coating and necessary sanding.

Apply approximately 5,727 square feet of Chemical Resistant Epoxy floor coating. **The Contractor shall use/install Tennant Eco-HPS Primer and Topcoat on the floors of the buildings as shown on the drawings.** The epoxy will be applied in one base coat and one topcoat lift, per the manufacturer's specifications to a minimum total thickness of 7 mils thick.

Shot blast the floor to prepare for the new floor covering.

Clean up the site and remove all debris from base.

The chemical barrels stored within the building will remain in the building throughout the project. The contractor must be able to perform the work in stages as to not compromise the chemicals in the building. This will include the use of temporary shields and splashguards.

The contractor shall take all precautions to minimize the impact of the work on the building occupants.

The contractor shall submit color charts to the Contracting Officer for the selection of material colors for this project.

All work is to be coordinated with the project inspector and Contracting Officer, as applicable.

The Contractor shall submit the following for approval of the Contracting Officer.

- A. Construction Schedule**
- B. Protection Plan**
- C. Paint Color Chips**
- D. Certification of Material**
- E. Manufacturer's Installation Instructions**

PERIOD OF PERFORMANCE: 45 Calendar days after the issuance of the Notice to Proceed.

SECTION 1

SPECIAL CONDITIONS

1.1 **GENERAL**: The work covered by these specifications consist of furnishing all plant, labor, materials, equipment and performing all operations necessary to accomplish the work designated in the drawings and specifications for this project. All work shall be in strict accordance with the specifications and subject to the terms and conditions of the contract.

1.2 **STATEMENT OF WORK**: Work includes the preparation of the floors for the application of a Chemical Resistant Urethane (CRU) floor treatment and the application of the floor treatment. Color of the floor treatment shall be light grey.

1.3 **WORKING CONDITIONS**: The buildings adjacent to the areas covered in these specifications will be occupied and USAF operations will continue on a normal and/or restrictive basis for the duration of the contract. The Contractor will have complete control of the building receiving the floor treatment. The Contractor shall take all precautions to ensure that his operations are conducted in a manner so as not to interfere with the normal operations of the surrounding facilities. The Contractor shall give 10 working days notice prior to starting work to allow removal of materials and equipment by the Government.

1.4 **DISPOSAL OF MATERIALS**: All waste materials, debris and refuse generated by the Contractor during the period of this contract shall be removed from the base daily to sites provided by the Contractor at no cost to the Government.

1.5 **WORKING HOURS**: Normal working hours are from 7:30 AM to 4:30 PM, Monday through Friday, other than national legal holidays. The Contractor shall receive permission in writing from the Contracting Officer to work at other times.

1.6 **TEMPORARY FACILITIES**: The Contractor shall provide all required temporary water and electrical facilities required for his operations. The electrical energy and water consumed shall be provided by the Government at no cost to the Contractor from existing lines and sources located in the building. The characteristics and source locations may be verified by a visit to the site. The Contractor shall provide ample temporary storage shed space for building materials requiring shelter from the weather and security and safety protection. Storage facilities shall be located in areas of the base designated by the Contracting Officer. The Contractor shall be responsible for supplying temporary building or fencing as required to secure storage areas. The temporary facilities and/or construction shall be removed when their use is no longer required by the Contractor or as directed by the Contracting Officer.

1.7 **CONSTRUCTION SCHEDULE**: Five working days after receiving the notice to proceed, the Contractor shall submit to the Contracting Officer for approval a construction schedule for the building providing the following information: The date construction will start on the building, the date the Chemical Resistant Urethane will be applied at the building, the number of days it will take to apply the CRU, the date that the organizations using the building will have to evacuate the

building and the date that they can move back into the building. Adjustments to the schedule during the progress of the work, shall be approved by the Contracting Officer.

1.8 **SUBMITTALS**: The Contractor shall submit the following for approval of the Contracting Officer.

<u>Paragraph</u>	<u>Description</u>
1.7	Construction Schedule
	Protection Plan
	Paint Color Chips
2.9	Certification of Material
	Manufacturer's Instructions
	END OF SECTION

SECTION 2

CHEMICAL RESISTANT URETHAN (CRU) FLOOR TREATMENT

2.1 **SCOPE**: This section covers the preparation of hangar floors for application of floor treatment, the application of floor treatment and the application of chemical resistant urethane, complete.

2.2 **APPLICABLE DOCUMENTS**: The following specifications and standards of the issues listed in this paragraph (including the addenda, amendments, and errata listed), but referred to hereinafter by basic designation only, form a part of this specification to the extent required by the references thereto.

2.2.1 American Society for Testing and Materials (ASTM):

ASTM D2370	Method of Tensile Strength Testing
ASTM D4060	Method of Abrasion Resistance Testing
ASTM D2134	Test Method for Sward Hardness
ASTM D2369	Test Method for Percent Solids
ASTM D2196	Test Method for Viscosity

2.3 **SAFETY PRECAUTIONS**: Chemical Resistant Urethane (CRU) is a highly combustible and harmful material and the following precautions must be taken prior to the application of the material.

2.3.1 The Base Fire Department shall be notified prior to any application of CRU . The Contractor shall also notify the Contracting Officer one work day in advance.

2.3.2 The CRU will not be applied until all aircraft or other high value equipment has been removed from the area receiving the treatment.

2.3.3 All sources of heat, sparks or open flame shall be shut off during the application of the CRU.

2.3.4 The area receiving CRU shall be well ventilated and the equipment used for ventilation shall be explosion proof.

2.3.5 The CRU vapor is harmful and the breathing of the vapor or mist must be avoided. The area receiving CRU shall be roped off and access to the area shall be limited to those personnel required for the application of the material. The office areas adjacent to the areas receiving the treatment shall be evacuated and shutdown during the application and curing process. Personnel applying the CRU shall be provided vapor/particle respirators conforming to AFOSH Standard 161-1

Respiratory Protect, or equivalent until the work area has been exhausted of all mist and vapors. The Contractor shall provide personnel knowledgeable to the harmful effects of CRU and appropriate treatment process to keep unauthorized personnel out of the work area until the CRU is completely cured and the danger period has passed.

2.3.6 CRU containers shall be kept closed when not in use and the contents of one container shall not be transferred to another container.

2.3.7 The Contractor shall submit to the Contracting Officer for approval four copies of his plan for protecting the personnel and facilities in which the CRU is being applied 5 working days after receiving the notice to proceed.

2.4 **SURFACE PREPARATION:** The Contractor shall shot blast the floors to remove existing paint. The shot blast machine shall have a vacuum system to catch the particles as they are detached from the floors. The Contractor shall sweep the floors and remove all debris, dust and dirt from the concrete surface. All oil or grease shall be removed from the floor by scrubbing with a non flammable solution of cleaner/remover. Agitate and flush area with water to emulsify the solution and agitate again. Remove solution and any residue from the surface of the concrete. Repeat process in areas with oil or grease saturation's. The cleaning process shall be repeated until the residue has been removed.

2.4.1 After the floors have been cleaned, sanded and rinsed, the joints shall be cleaned and re-sealed. Once the joints are sealed, they shall be painted with shellac of color matching the floor treatment and conforming to ASTM D237. The shellac shall dry 6 hours prior to the placing of the floor treatment. The floors shall dry for sixteen hours prior to the application of the CRU. The moisture content shall be less than 17 as determined by Delmhorst Moisture Meter. Traffic shall be kept to a minimum in the area prior to placing the CRU. All walls, structural members, appliances or protrusions in the area receiving the CRU shall be masked to prevent the CRU from being deposited on them. Those floor areas not requiring CRU will be properly masked to provide a sharp demarcation between coated and uncoated surfaces. Grounding rods or wires in the floor shall be masked to prevent their being coated with CRU.

2.5 **APPLICATION OF CHEMICAL RESISTANT URETHANE:** The floors receiving the CRU shall be given three coats of the material. The first coat shall be Epoxy Floor Primer as manufactured by Tennant Eco HPS , or equal. The primer shall consist of a two component water reducible epoxy which is pigmented. The primer shall be applied at a rate of 250 SF per gallon. While the primer is wet, apply a non-slip surface by sprinkling Aluminum Oxide grit at a rate of 1.5 lbs per 100 SF. Once the primer has cured, the floor shall be swept or vacuumed to remove excess granules.

2.5.1 The second coat shall be Eco HPS CRU as manufactured by Tennant, or equal. The second shall be applied eight to eighteen hours after the previous coat has been applied. If 48 hours lapses between the application of the coats, the surface shall be roughened with #1 steel wool to provide a bond between the coats. The second coat shall be applied at a rate of 300 SF per gallon. The color of the floor shall be selected by the Contracting Officer from color chips submitted by the Contractor.

2.5.2 After the final coat has cured 24 hours, the traffic lanes shall be installed or reinstalled as shown if required on the drawings. The lanes shall be masked on each side and the area between the tape buffed with #1 steel wool. The area shall then be given one coat of CRU of the appropriate color. Approximately one hour after application, the masking tape can be removed and seven hours later the area can be opened to light traffic. The other markings shall be applied in a like manner.

2.6 CRU MATERIAL: The chemical resistant urethane shall meet or exceed the following physical properties.

2.6.1 The CRU shall have a minimum tensile strength of 9,500 PSI when tested in accordance with ASTM D2370.

2.6.2 The CRU shall have an abrasion resistance greater than 25 – 35 grm/mill loss when tested in accordance with ASTM D4060.

2.6.3 The CRU shall have no effect when tested for corrosion resistance in accordance with ASTM B117.

2.6.4 The CRU shall have a direct impact resistance greater than 160 in. lbs, when tested in accordance with ASTM G 14.

2.6.5 The CRU shall have a scrub resistance of no gloss change when tested in accordance with ASTM D2486.

2.6.6 The CRU shall have a dry heat resistance of 200°F when tested in accordance with ASTM D 2485.

2.6.7 The CRU shall have an elongation resistance greater than 5% when tested in accordance with ASTM D2370.

2.6.8 The CRU shall have a Sward Hardness of 40-50 when tested in accordance with ASTM D2134.

2.6.9 The percent solids shall be a minimum of 90% when tested in accordance with ASTM D2369.

2.6.10 The viscosity shall be 400-500 cps when tested in accordance with ASTM D2196.

2.6.11 The material shall have meet all VOC and VOS Compliance Regulations and shall not excess the threshold limits of 5 parts per billion.

2.6.12 The Floor Surfacing System shall be safe for personnel working in adjacent areas so that full production of work can be accomplished without interruption without wearing safety equipment.

2.7 The total dry film thickness of the finished floor shall be greater than 7 mils for Eco HPS. The Contractor shall have a wet film gage for measuring the film thickness.

2.8 The Contractor shall leave two gallons of top coat at the building.

2.9 CERTIFICATION OF MATERIAL: The Contractor shall submit three copies of notarized certification from the manufacturer that his material meets or exceeds the requirements above.

2.10 MANUFACTURER'S INSTRUCTIONS: The Contractor shall submit three copies of the CRU manufacturer's instructions for applying the material to the Contracting Officer for approval prior to application of the material.

2.11 CLEAN-UP: The Contractor shall clean the work site daily. After the completion of the third coat of CRU and traffic line marking, the Contractor shall pick-up and remove all debris made during the working period and remove it from the base.

END OF SECTION

PROJECT NUMBER	PROJECT TITLE	SOLICITATION/CONTRACT NUMBER
SHA 03-0054	Maintain CRU Floor Coating B1720/1816	

TO BE COMPLETED BY CONTRACT ADMINISTRATOR

[illegible]

GENERAL DECISION SC020008 03/01/2002 SC8

Date: March 1, 2002

General Decision Number SC020008

Superseded General Decision No. SC010008

State South Carolina

Construction Type
BUILDING

County(ies)
SUMTER

BUILDING CONSTRUCTION PROJECTS (does not include residential construction consisting of single family homes and apartments up to and including 4 stories)

Modification Number Publication Date
0 03/01/2002

COUNTY(ies):

SUMTER

SUSC1017A 02/08/1990

	Rates	Fringes
BRICKLAYERS	5.75	
CARPENTERS	5.15	
CEMENT MASONS	5.15	
ELECTRICIANS	5.15	
IRONWORKERS	5.15	
LABORERS	5.15	
PAINTERS	7.25	
PLUMBERS & PIPEFITTERS	5.15	
POWER EQUIPMENT OPERATORS:		
Backhoe	5.15	
Bulldozer	5.15	
Crane, Derrick & Dragline	5.15	
ROOFERS	5.15	
SHEET METAL WORKERS	5.15	
SPRINKLER FITTERS	11.75	2.43
TRUCK DRIVERS	5.15	

WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29 CFR 5.5(a)(1)(v)).

In the listing above, the "SU" designation means that rates listed under that identifier do not reflect collectively bargained wage and fringe benefit rates. Other designations indicate unions whose rates have been determined to be prevailing.

WAGE DETERMINATION APPEALS PROCESS

Has there been an initial decision in the matter? This can be

- * an existing published wage determination
- * a survey underlying a wage determination
- * a Wage and Hour Division letter setting forth a position on a wage determination matter
- * a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations
Wage and Hour Division
U. S. Department of Labor
200 Constitution Avenue, N. W.
Washington, D. C. 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N. W.
Washington, D. C. 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U. S. Department of Labor
200 Constitution Avenue, N. W.
Washington, D. C. 20210

4.) All decisions by the Administrative Review Board are final
END OF GENERAL DECISION